

- 1/27 -

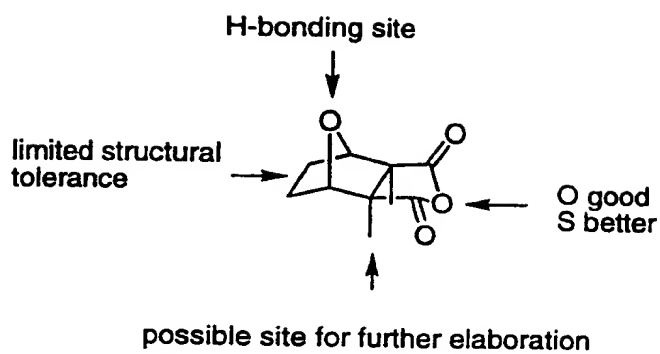
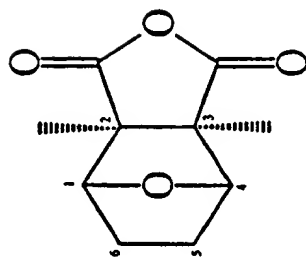


Figure 1

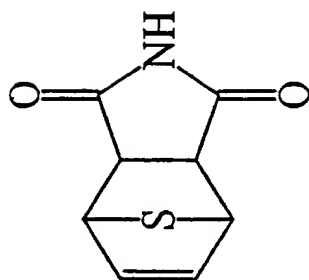
- 2/27 -

Cantharidin and Cantharidin Analogues



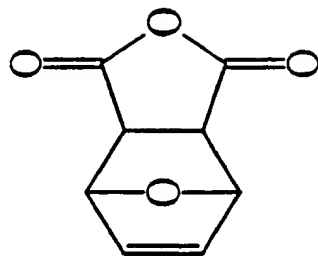
Cantharidin

(2,3-dimethyl-7-oxobicyclo[2.2.1]heptane-2,3-dicarboxylic acid anhydride)



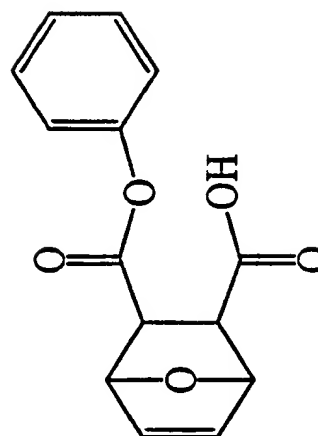
MK-1

exo,exo 7-thia, 2-azabicyclohepta-5-ene-2,3-dicarboxylic acid anhydride

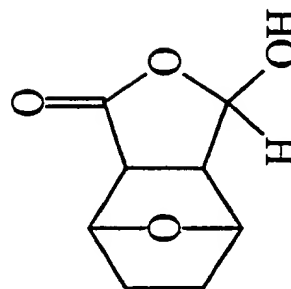


MK-2

bicyclo[2.2.1]heptane-5,6-ene-2,3-dicarboxylic acid anhydride

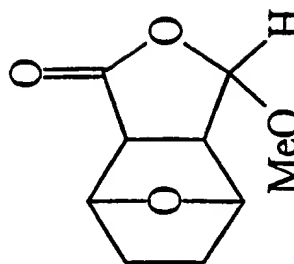


MK-3



MK-4

reduced lactol derivative of MK-2



MK-5

MK-7, MK-8, MK-9: isomers of MK-2

Figure 2

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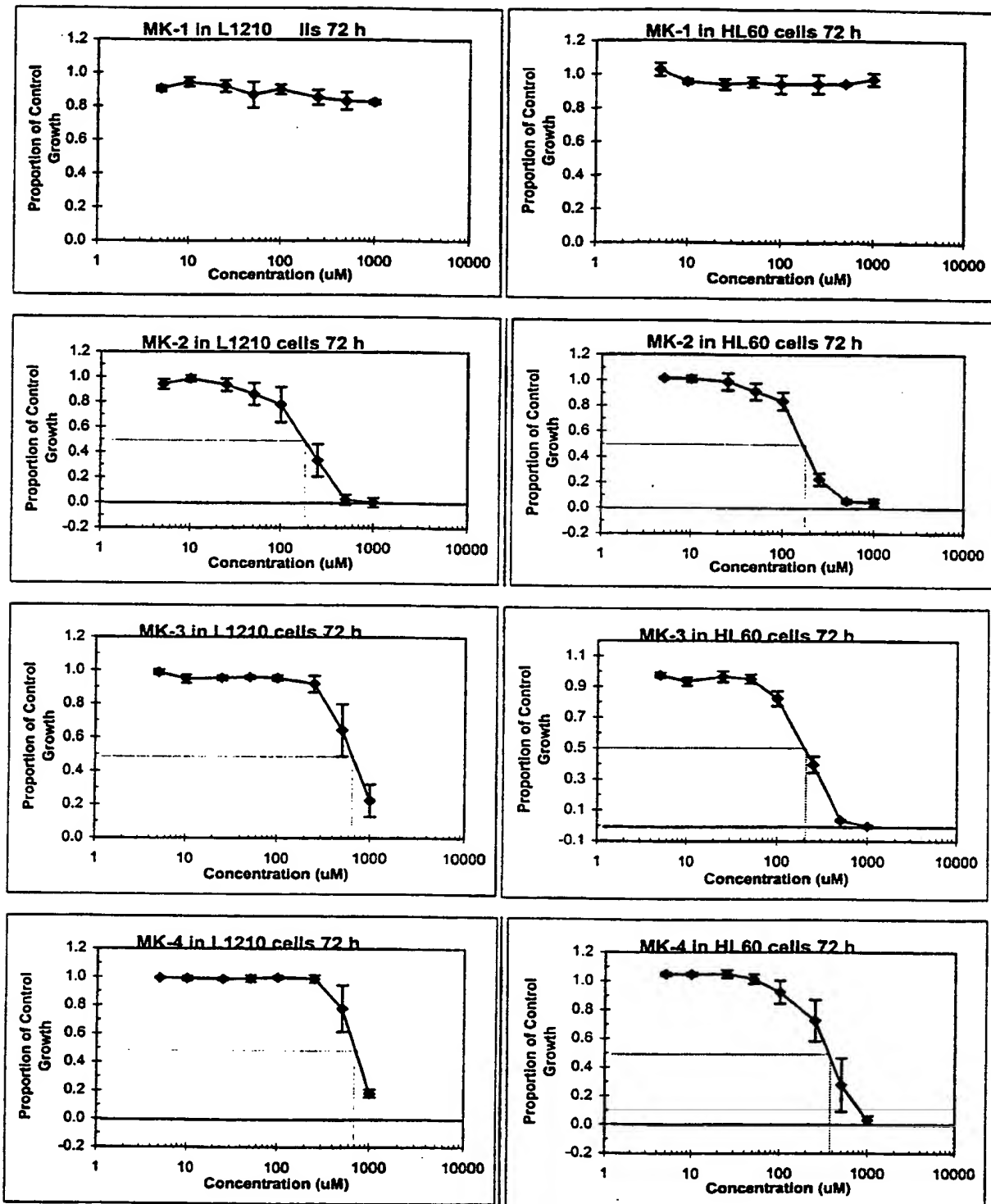


Figure 3

- 4/27 -

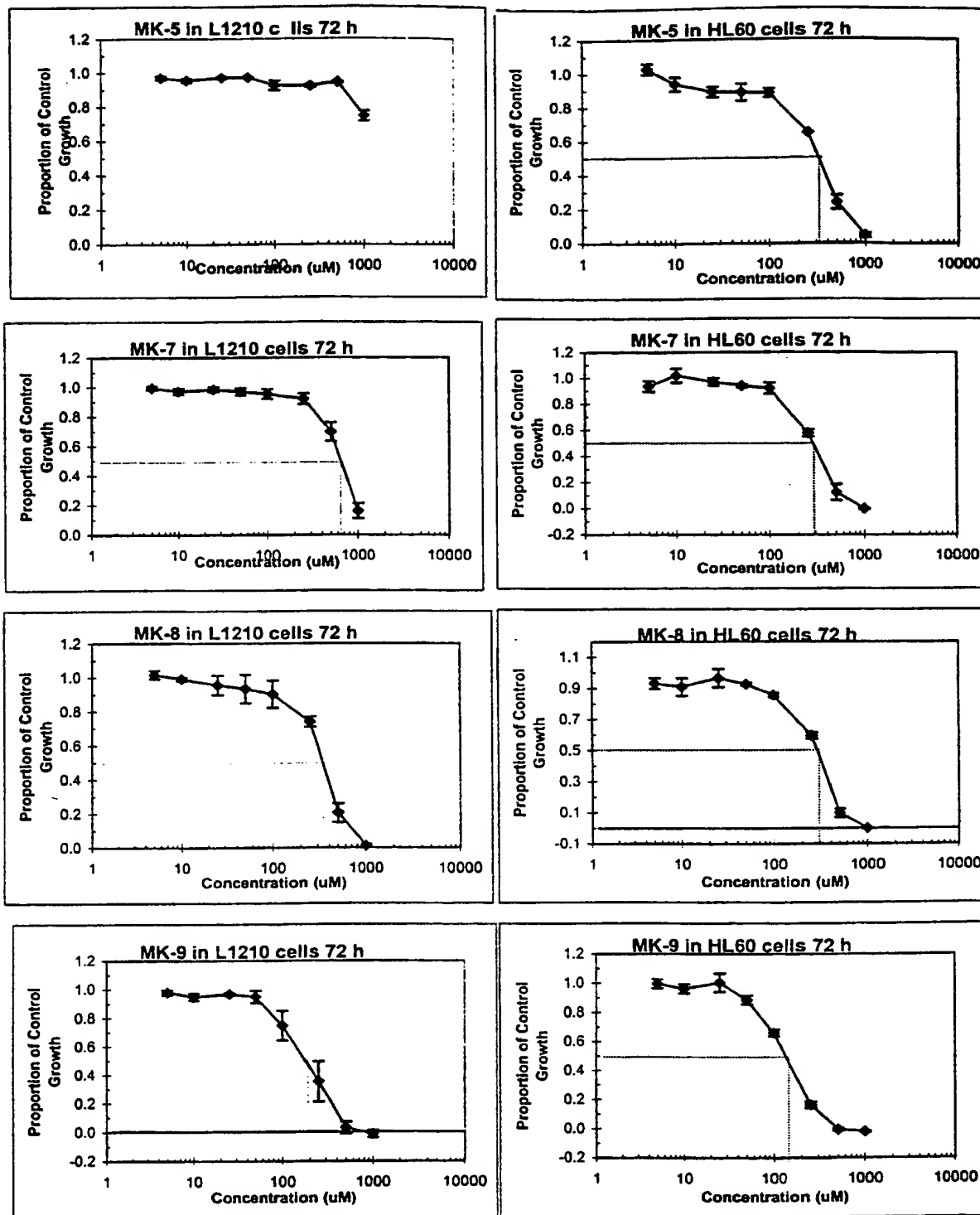


Figure 3 (cont'd)

- 5/27 -

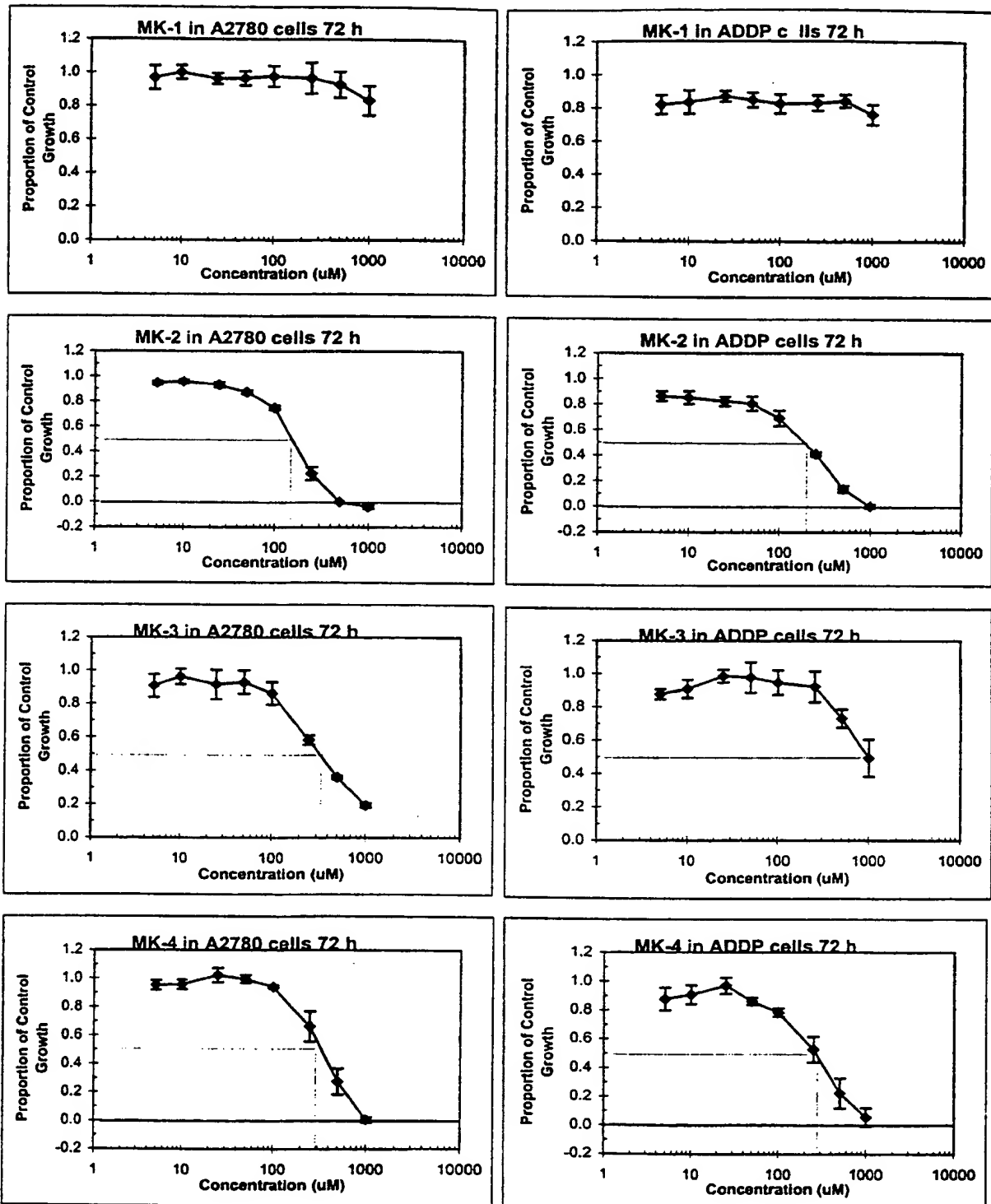


Figure 3 (cont'd)

- 6/27 -

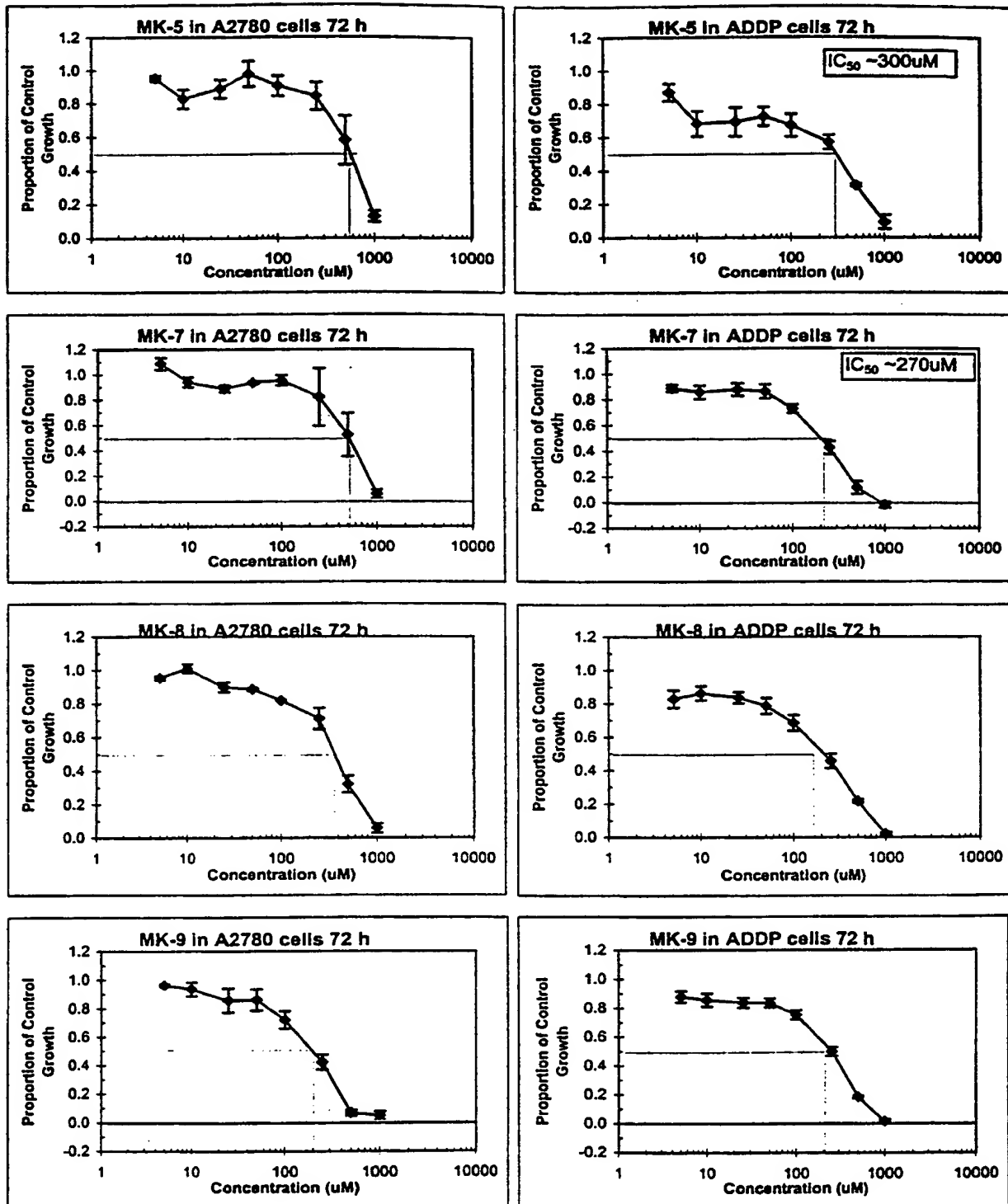


Figure 3 (cont'd)

- 7/27 -

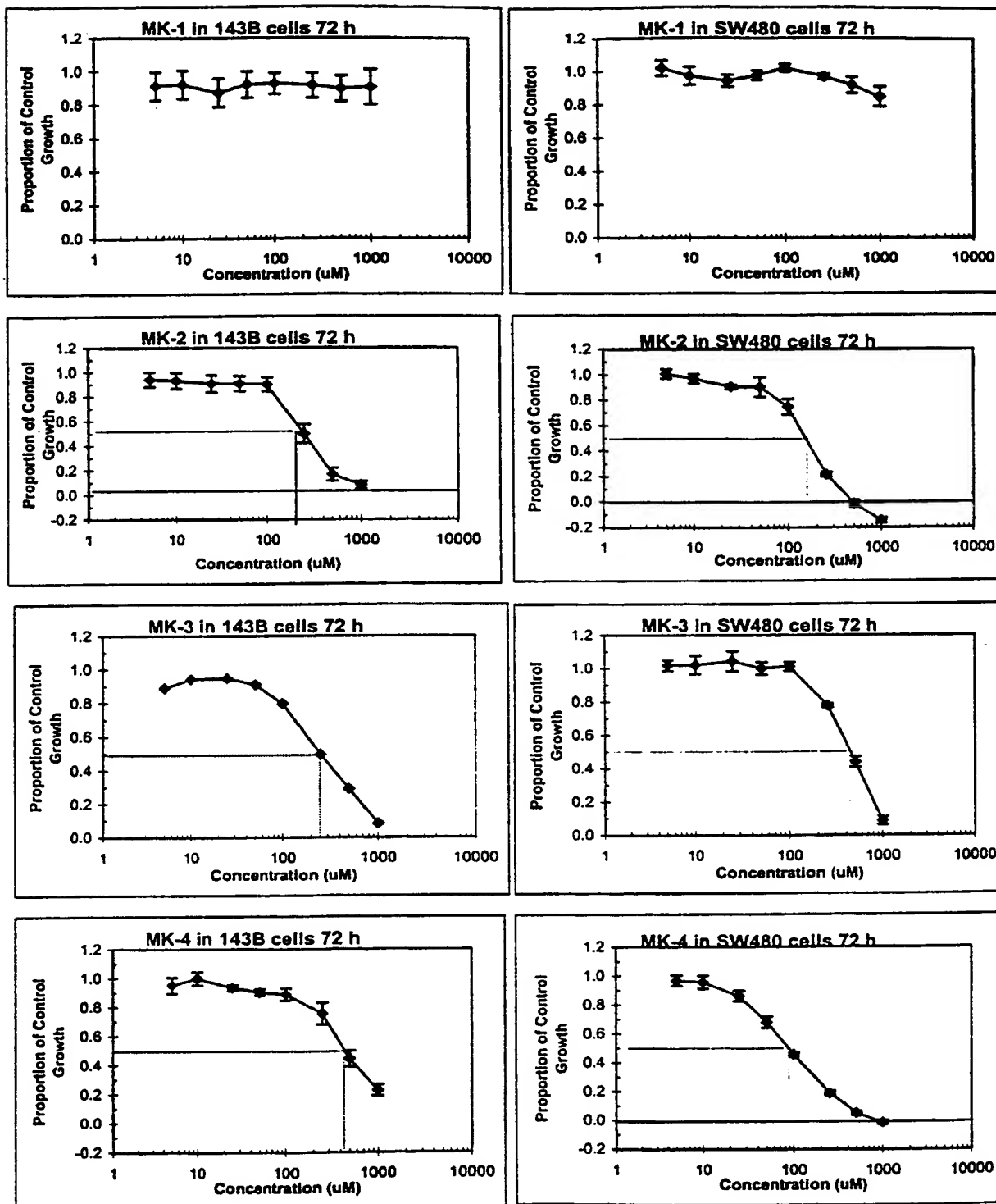


Figure 3 (cont'd)

- 8/27 -

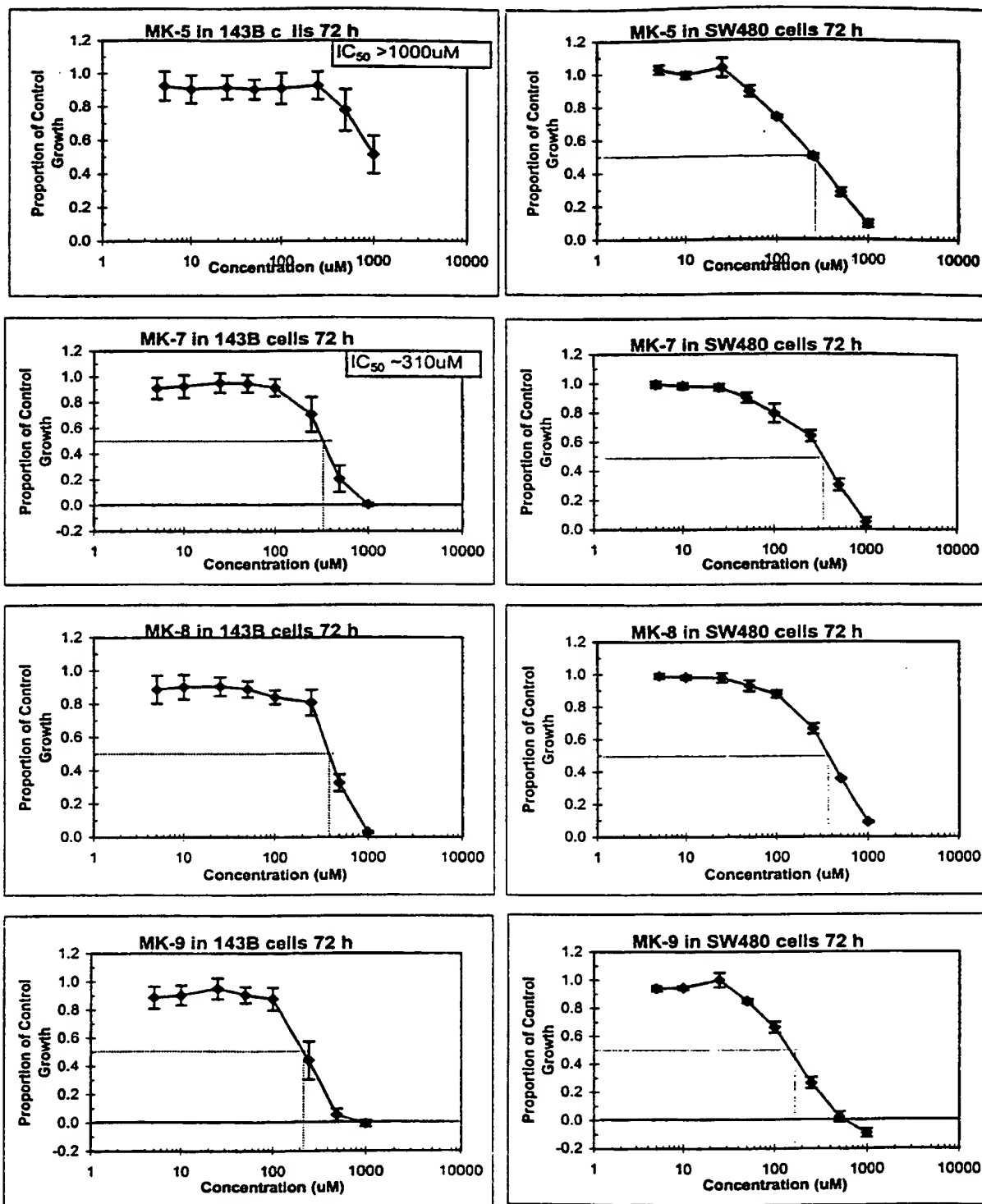


Figure 3 (cont'd)

- 9/27 -

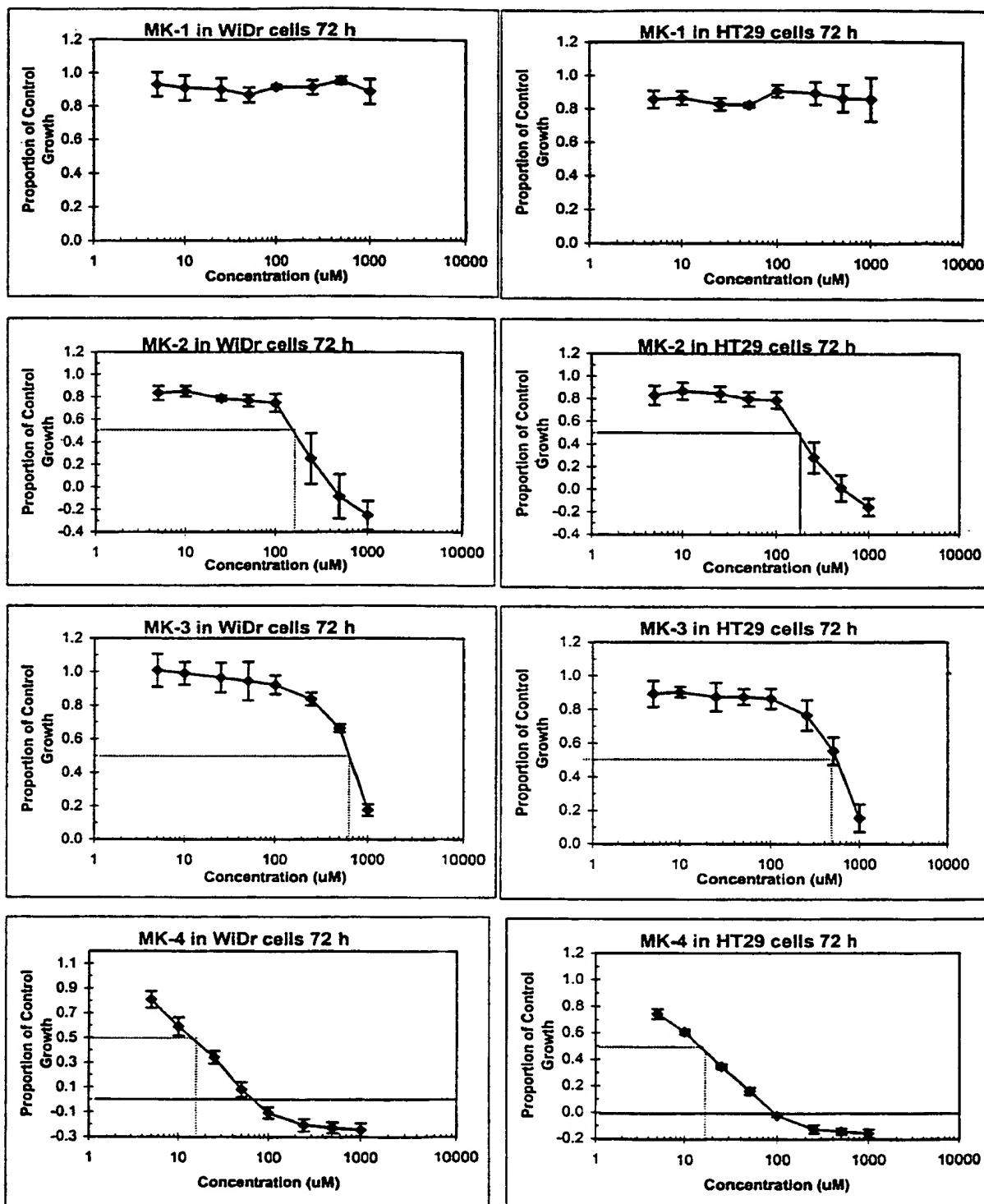


Figure 3 (cont'd)

- 10/27 -

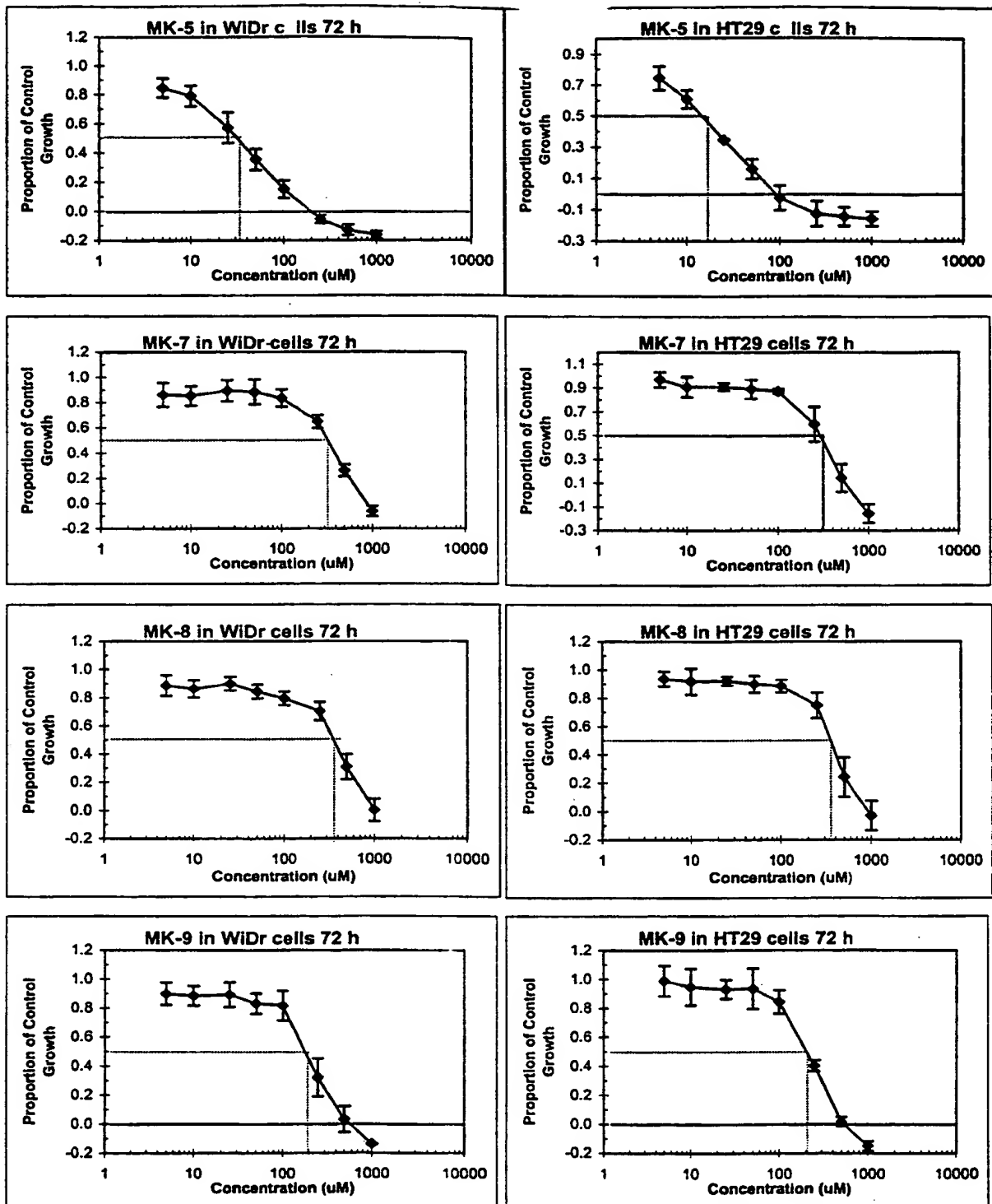


Figure 3 (cont'd)

- 11/27 -

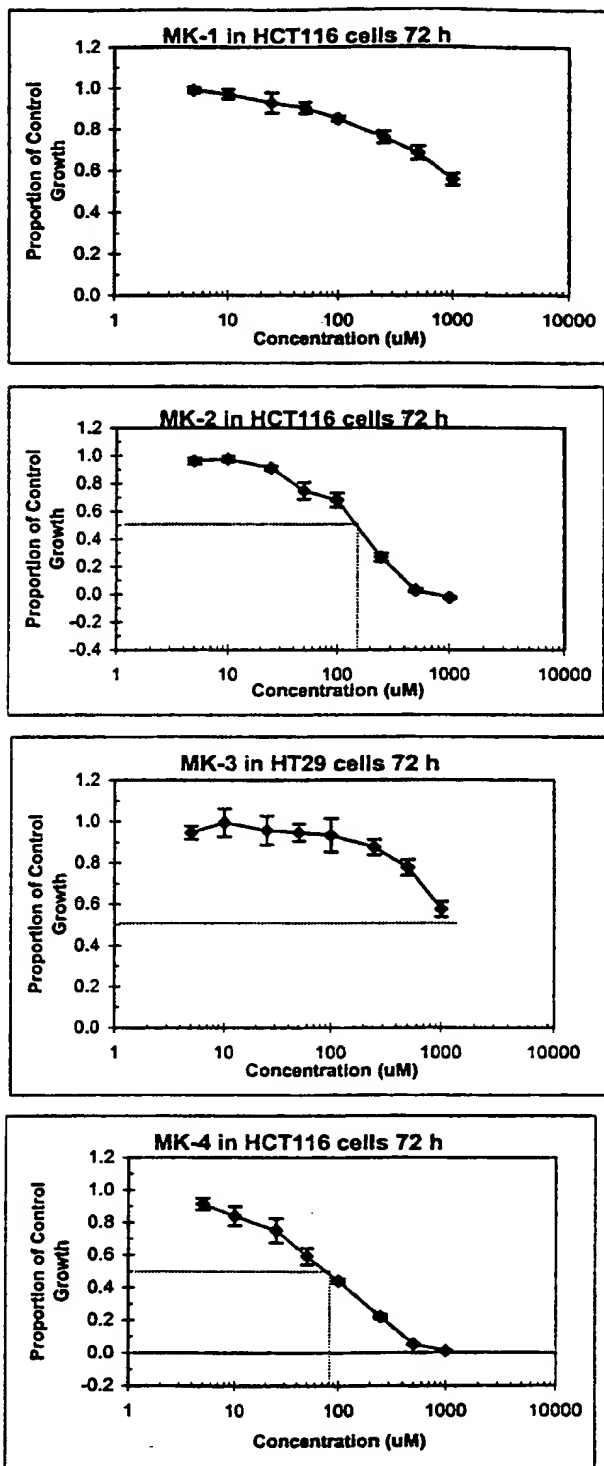


Figure 3 (cont'd)

- 12/27 -

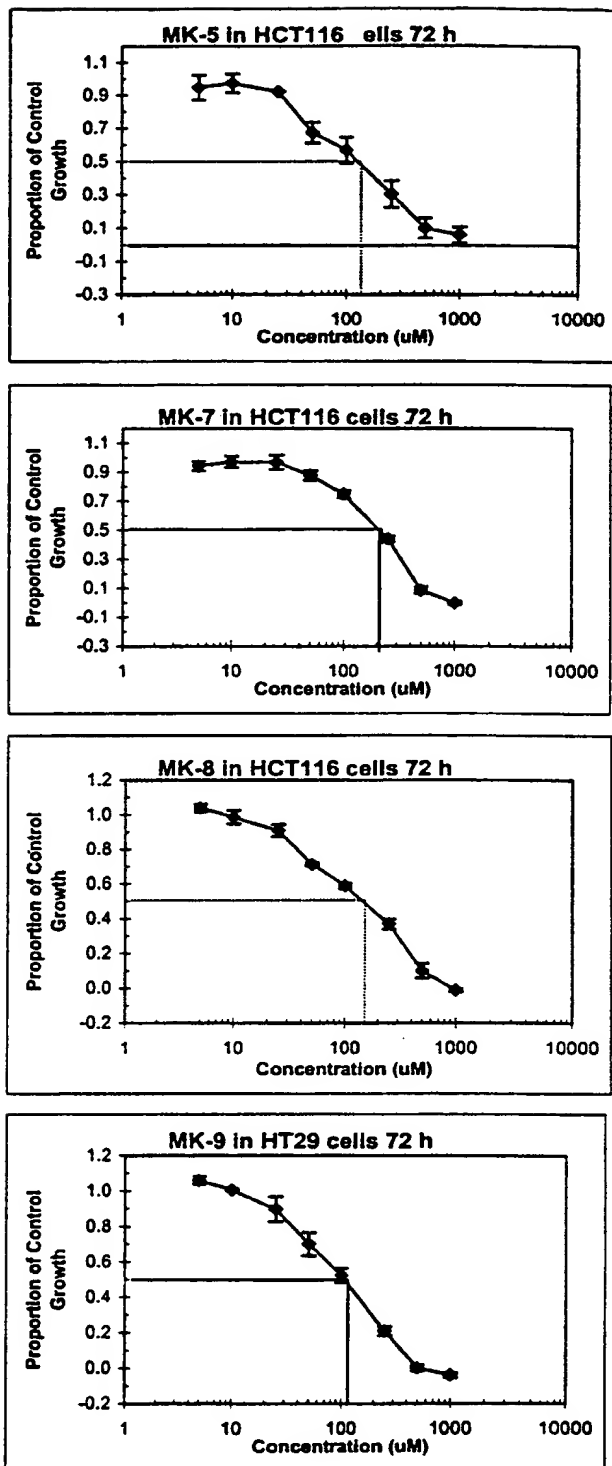


Figure 3 (cont'd)

- 13/27 -

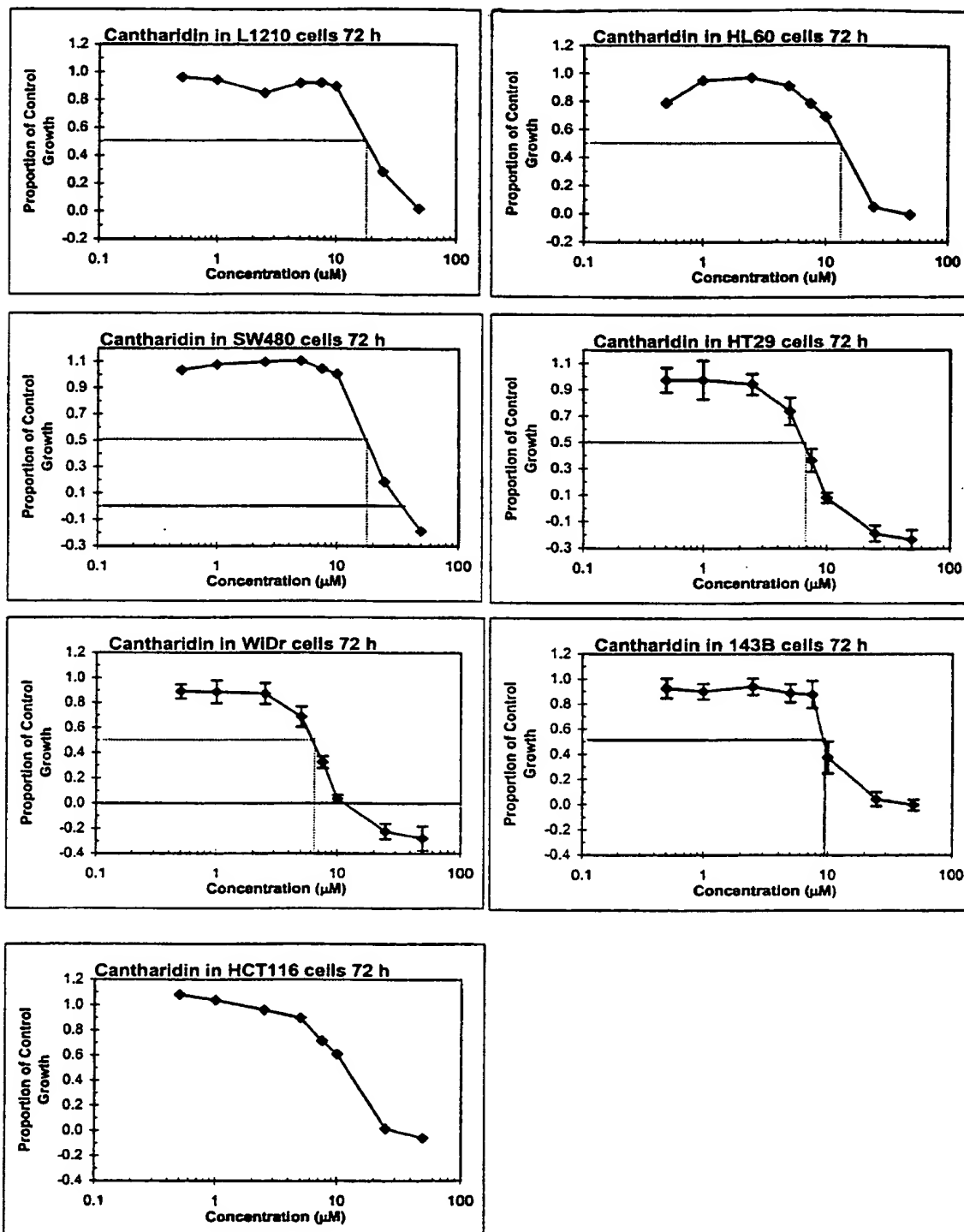


Figure 3 (cont'd)

- 14/27 -

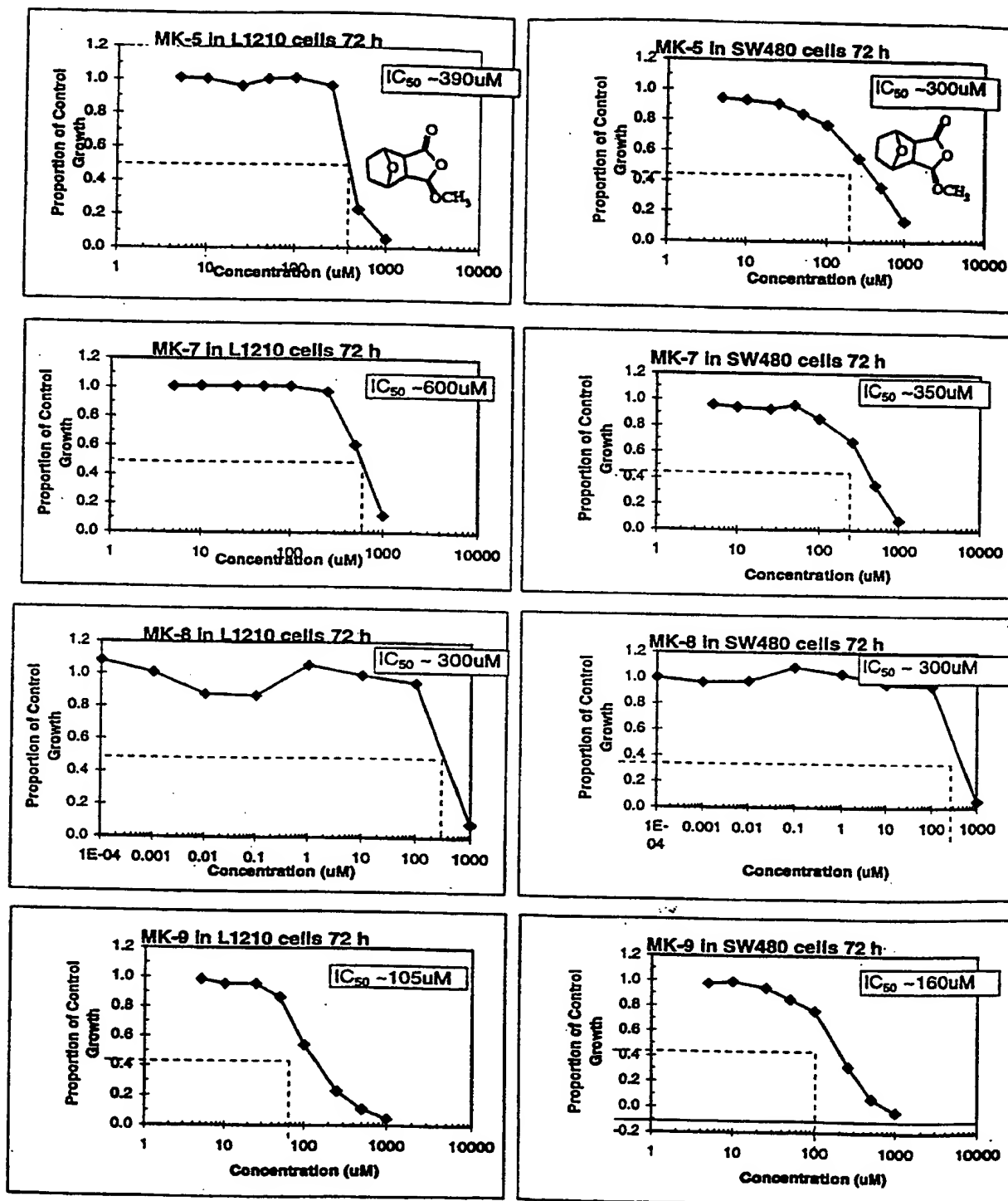
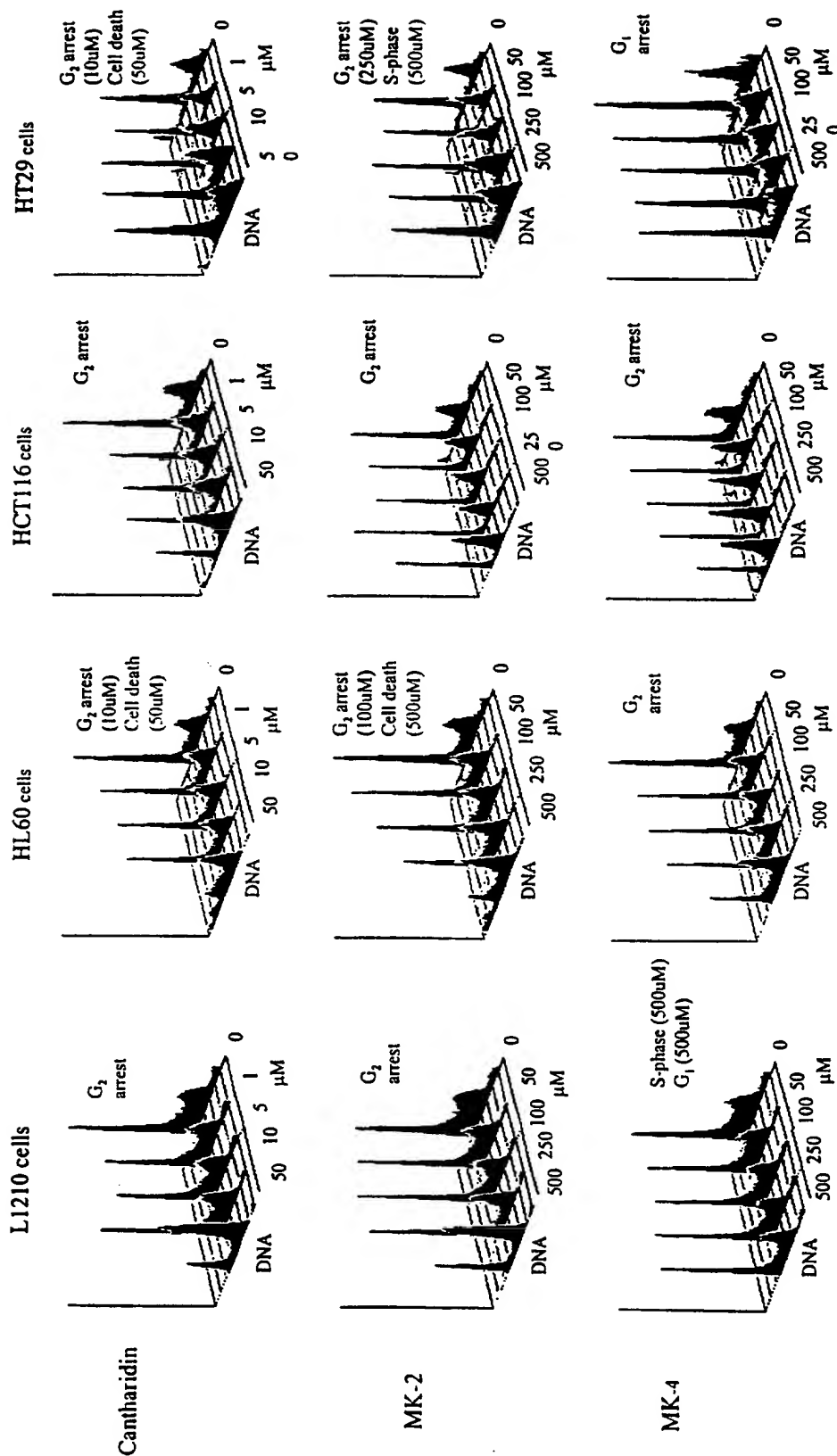


Figure 3 (cont'd)

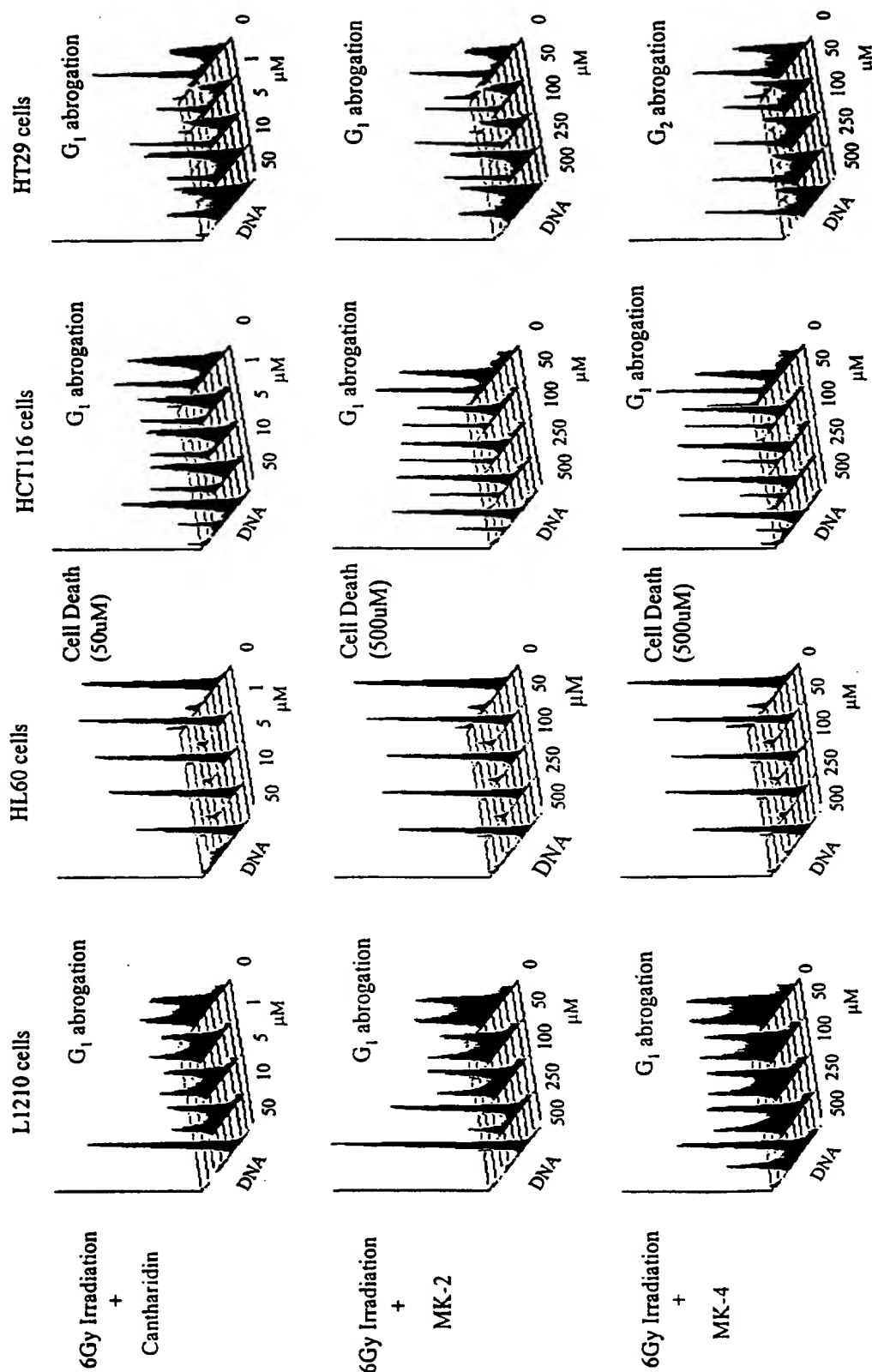
- 15/27 -



Cell Cycle Analysis 12h following exposure to cantharidin, MK-2 or MK-4

Figure 4

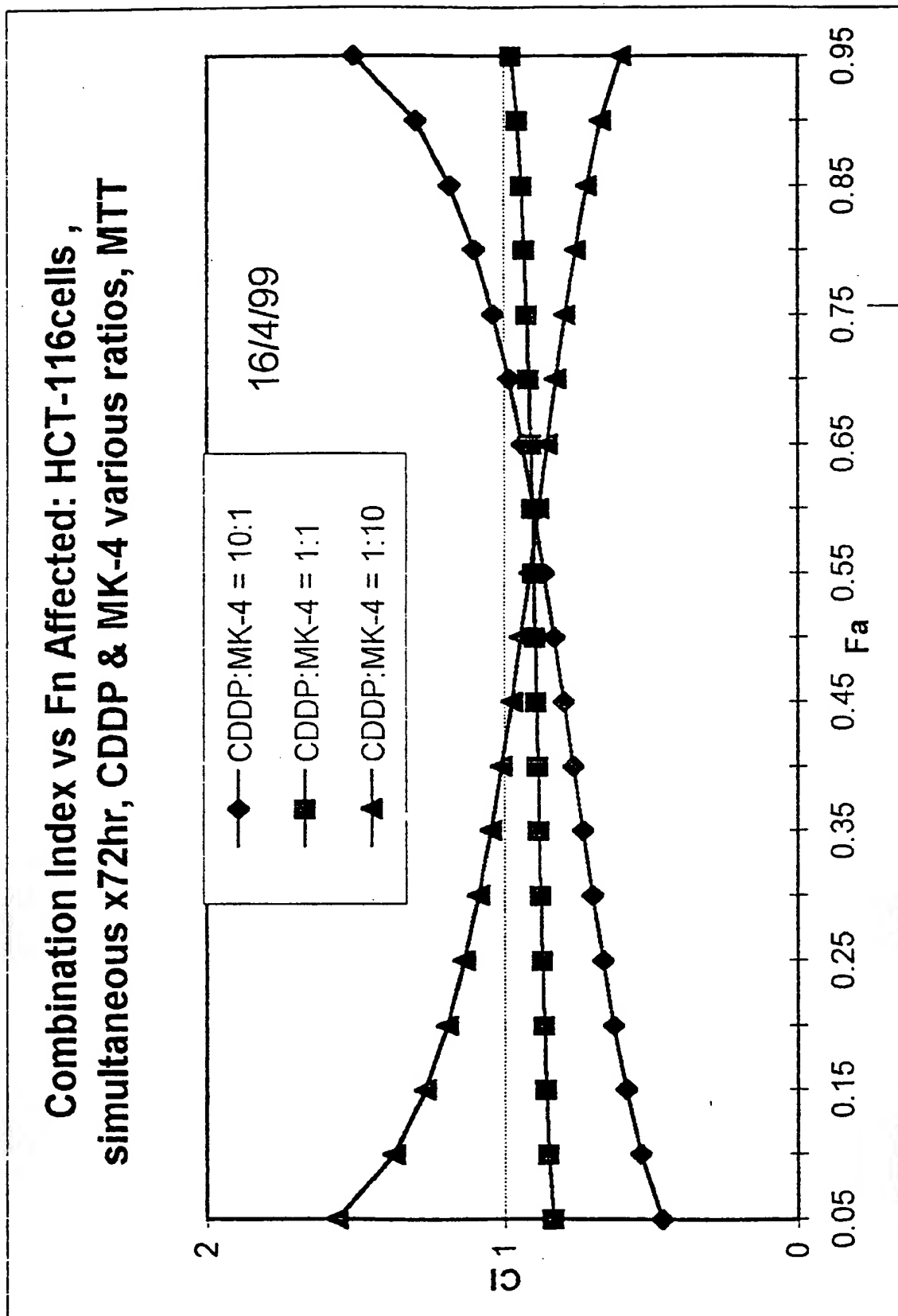
- 16/27 -



Cell Cycle Analysis 18h after 6Gy of radiation and 12h after exposure to cantharidin,
MK-2 or MK-4

Figure 5

- 17/27 -



Mhc99312.xls

Figure 6(a)

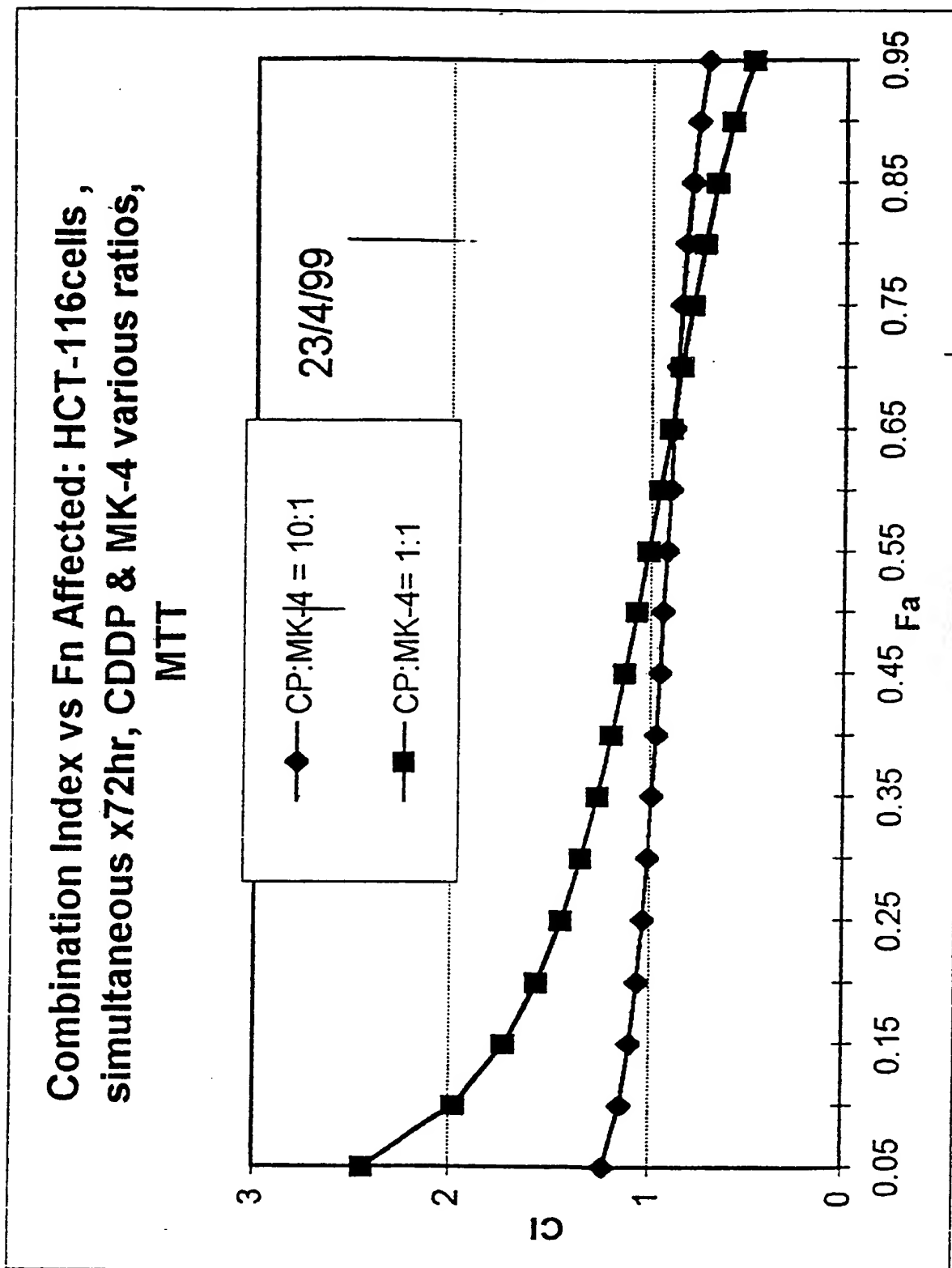


Figure 6(b)

Mhc99423.xls

- 19/27 -

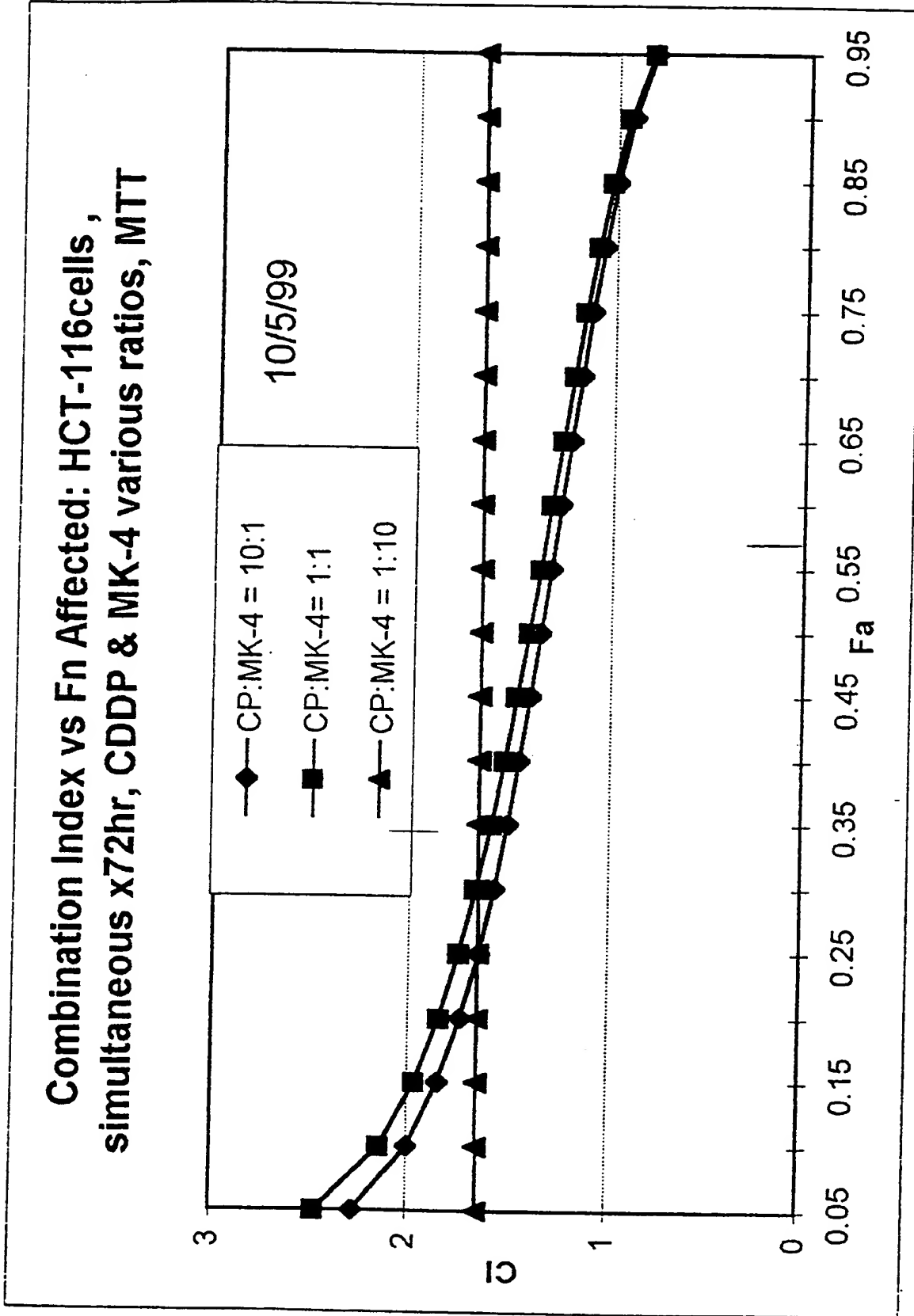
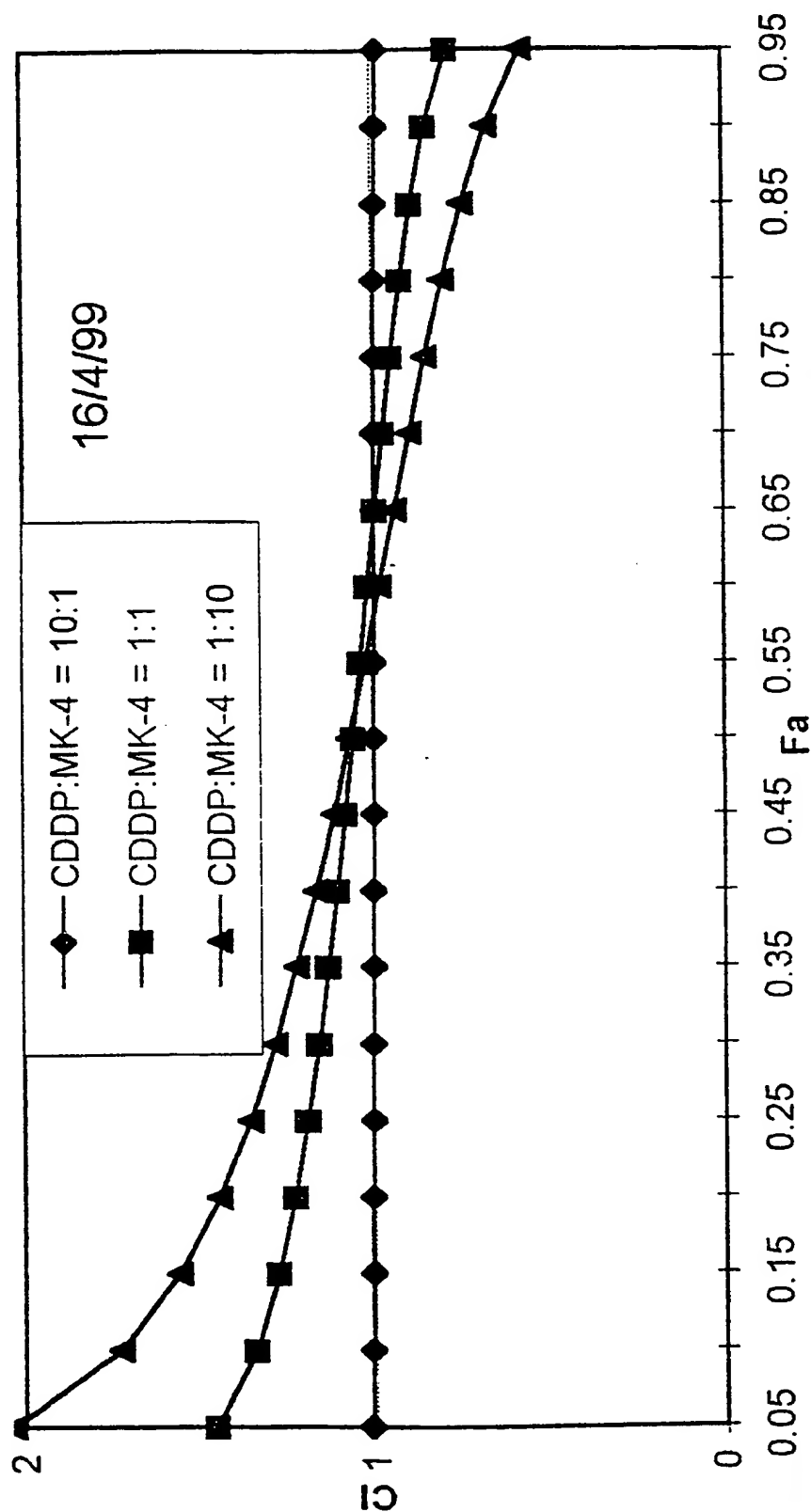


Figure 6(c)

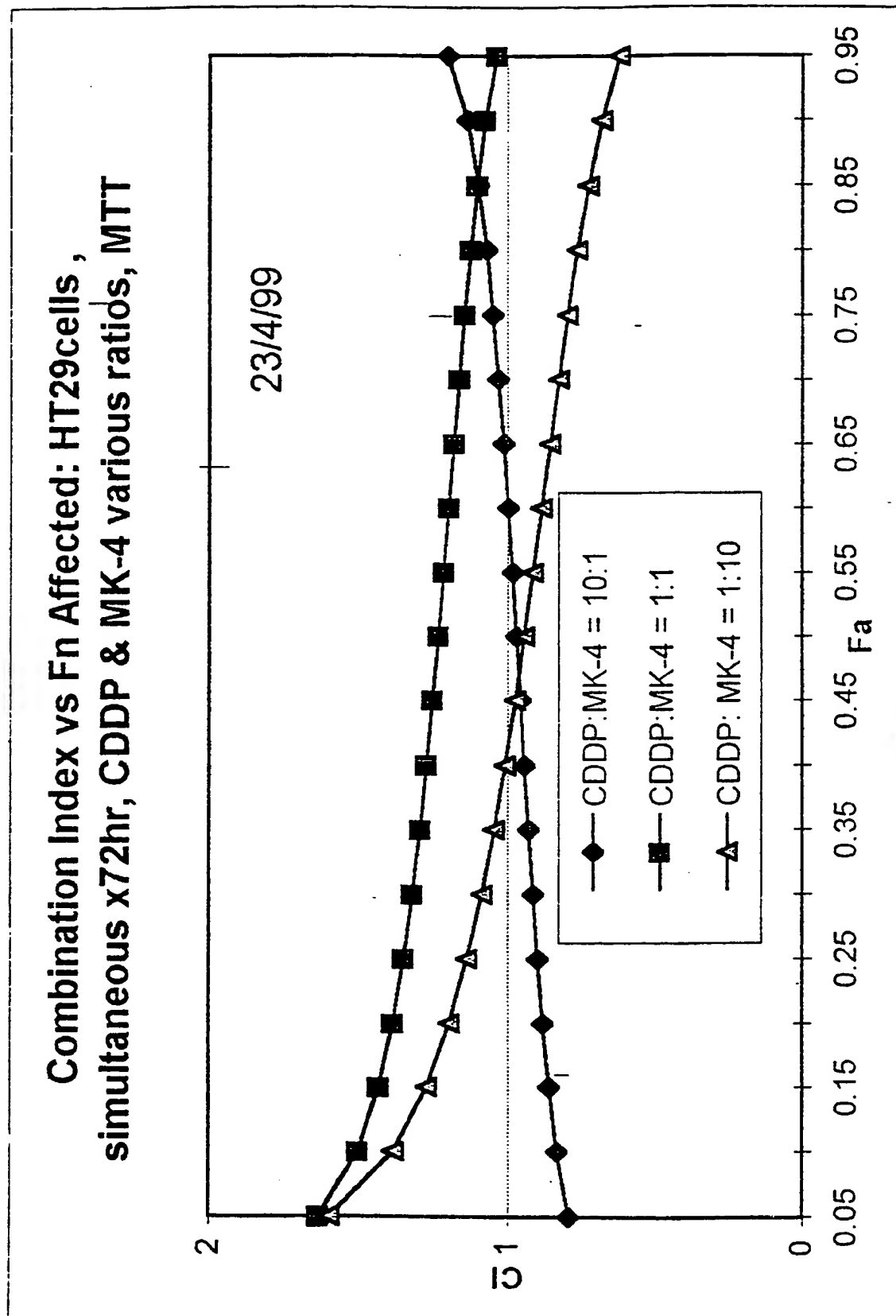
Combination Index vs Fn Affected: HT29cells, simultaneous x72hr, CDDP & MK-4 various ratios, MTT



Mh990416.xls

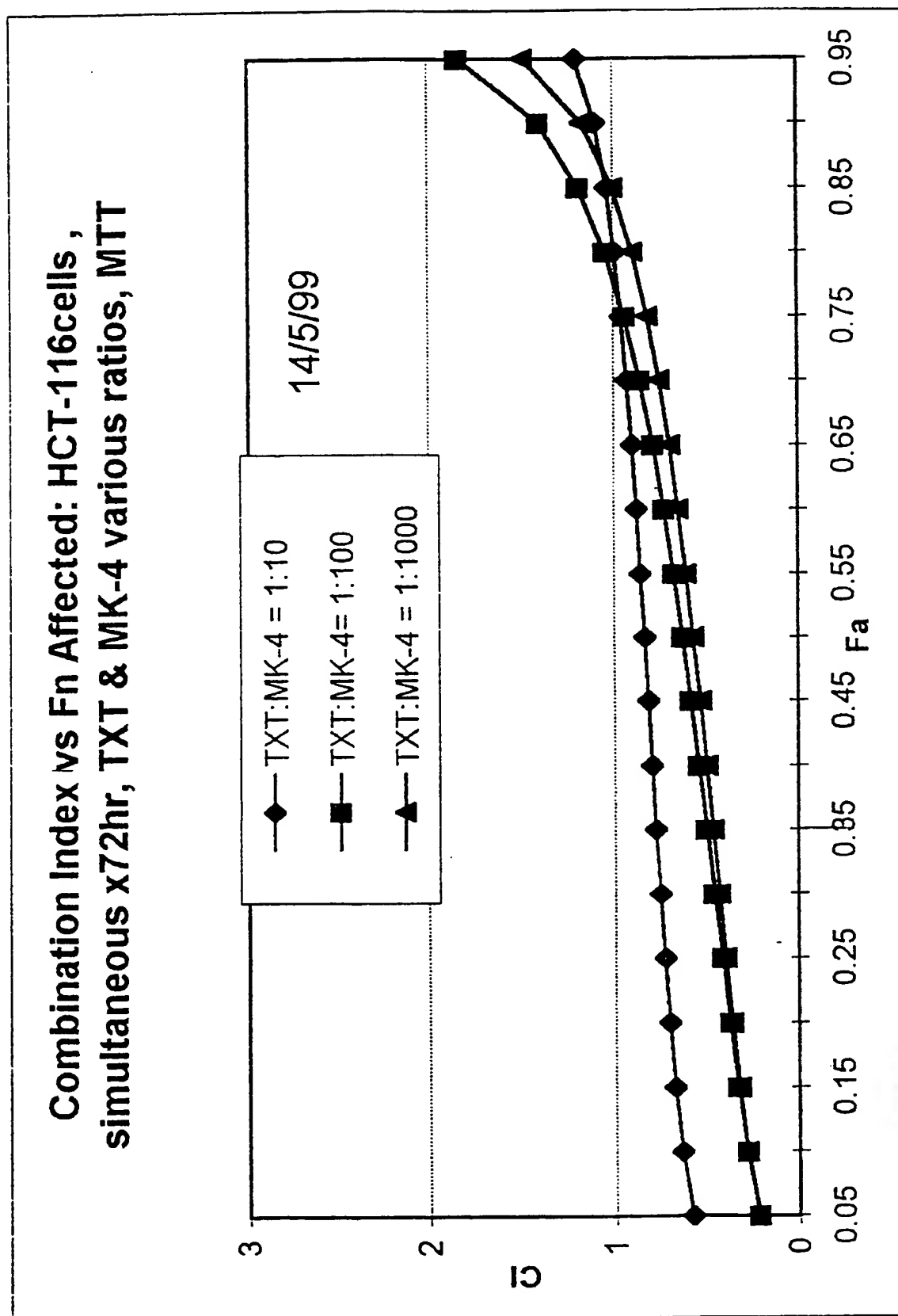
Figure 7(a)

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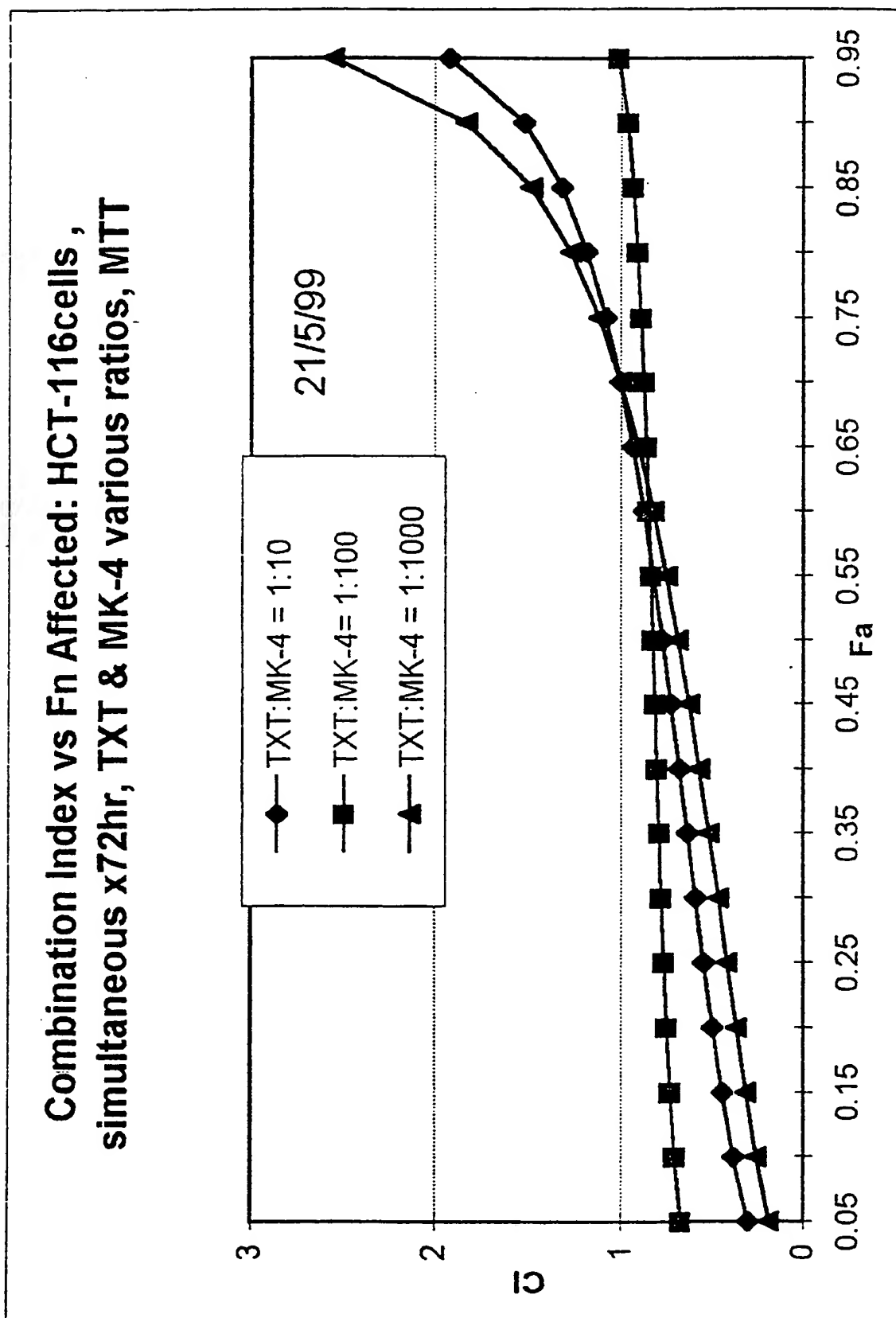
Mh990423.xls

Figure 7(b)



Mhc99514.xls

Figure 8(a)

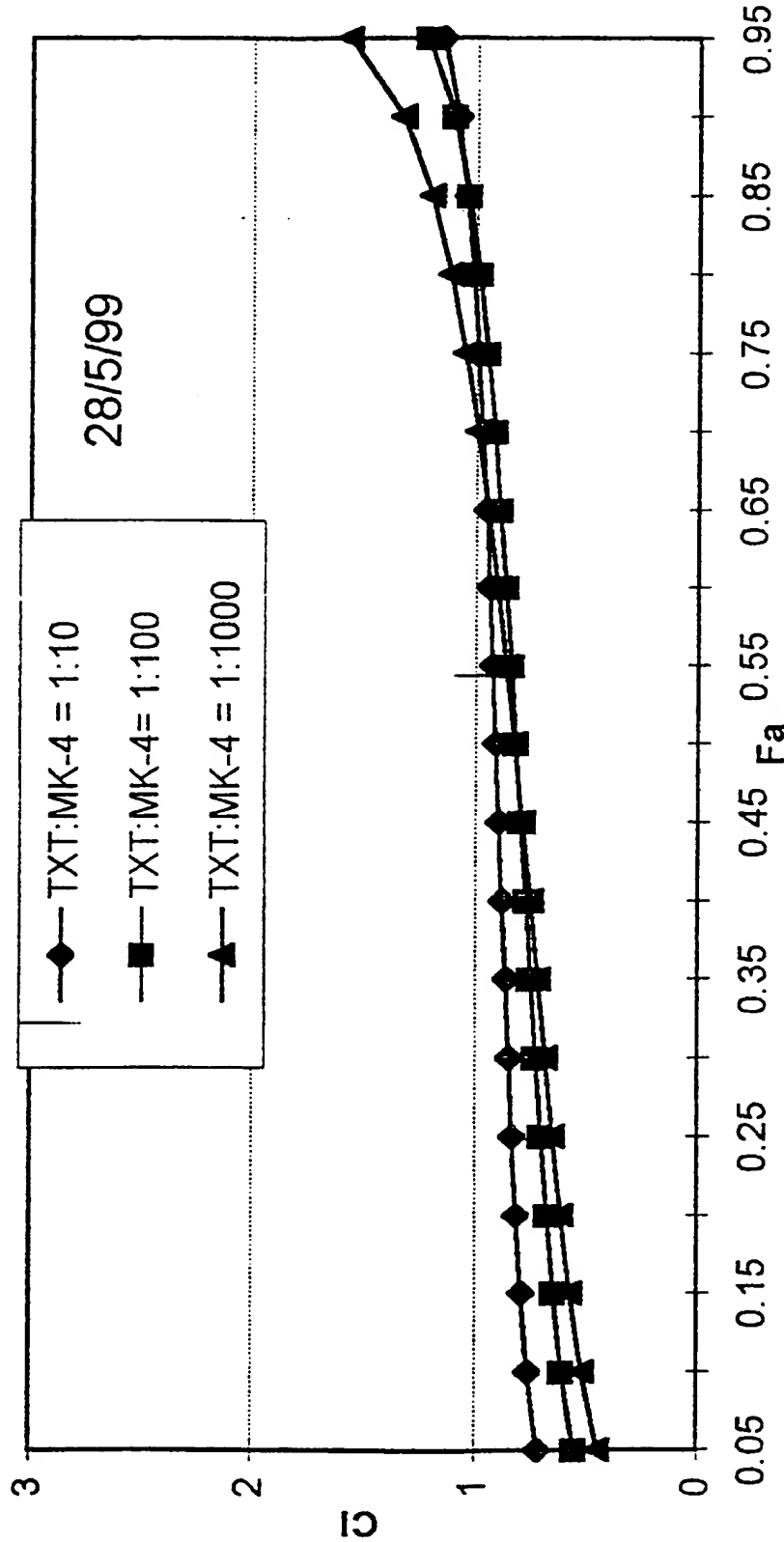


Mhc99521.xls

Figure 8(b)

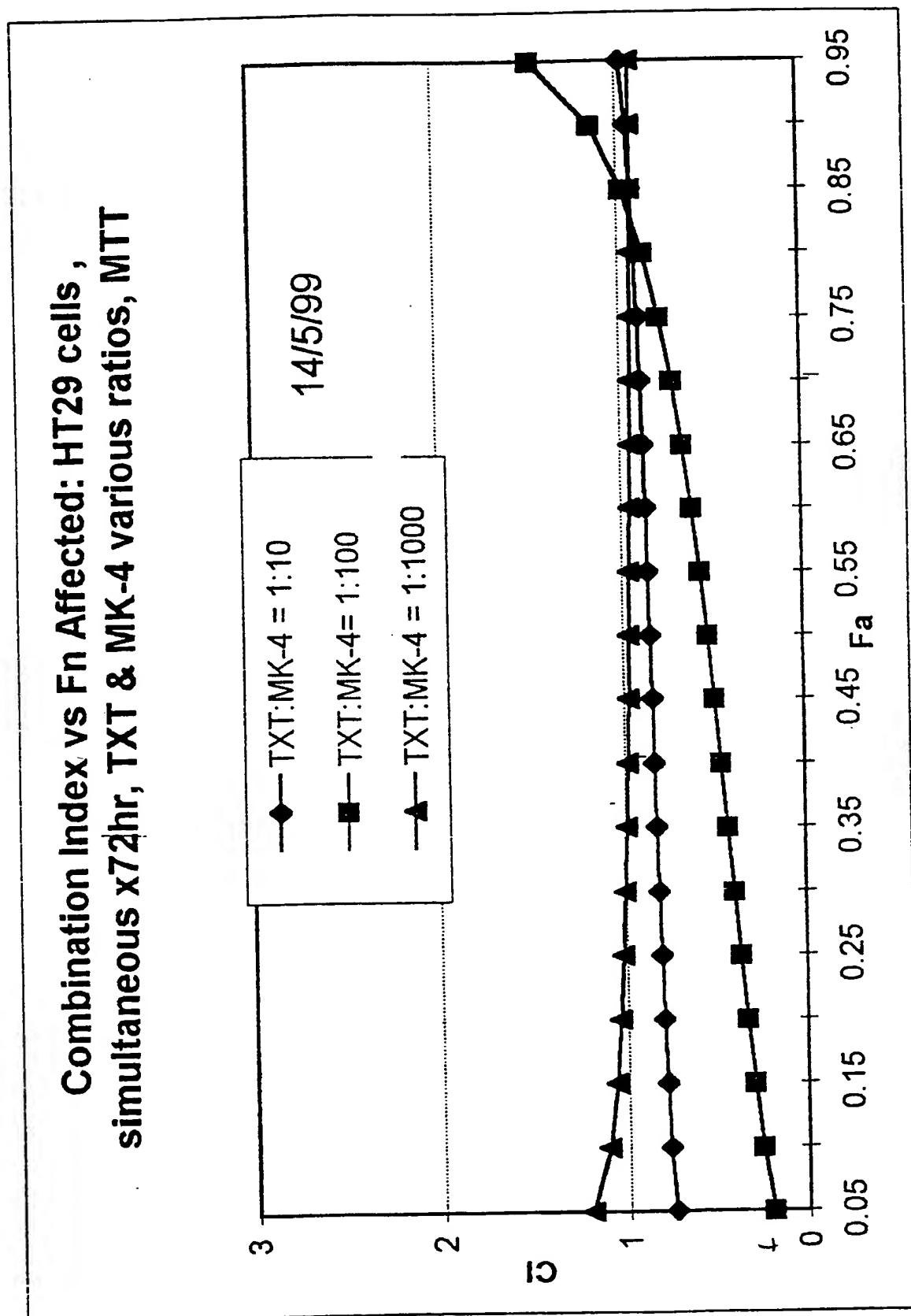
- 24/27 -

Combination Index vs Fn Affected: HCT-116cells, simultaneous x72hr, TXT & MK-4 various ratios, MTT



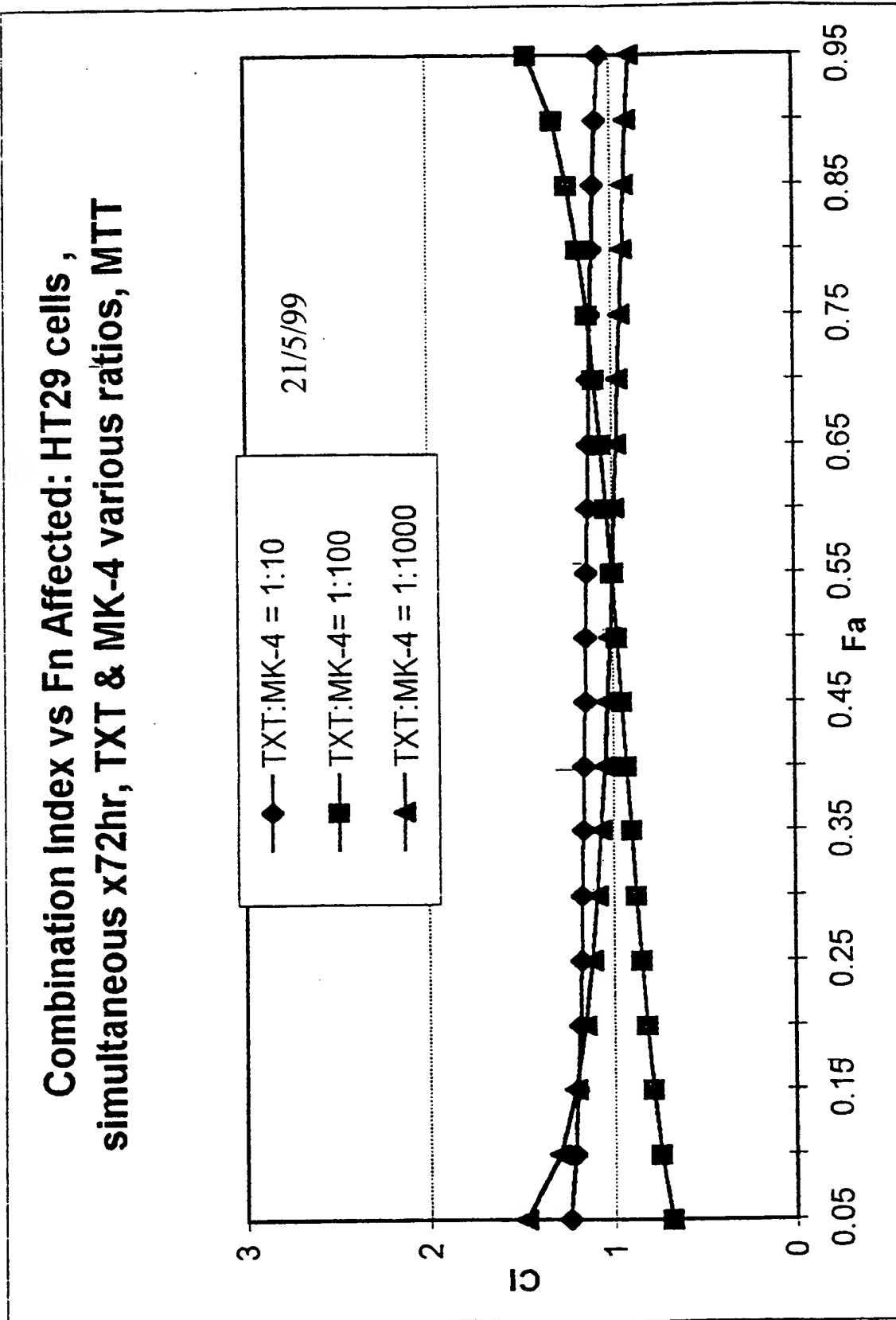
Mhc99528.xls

Figure 8(c)



Mht99514.xls

Figure 9(a)

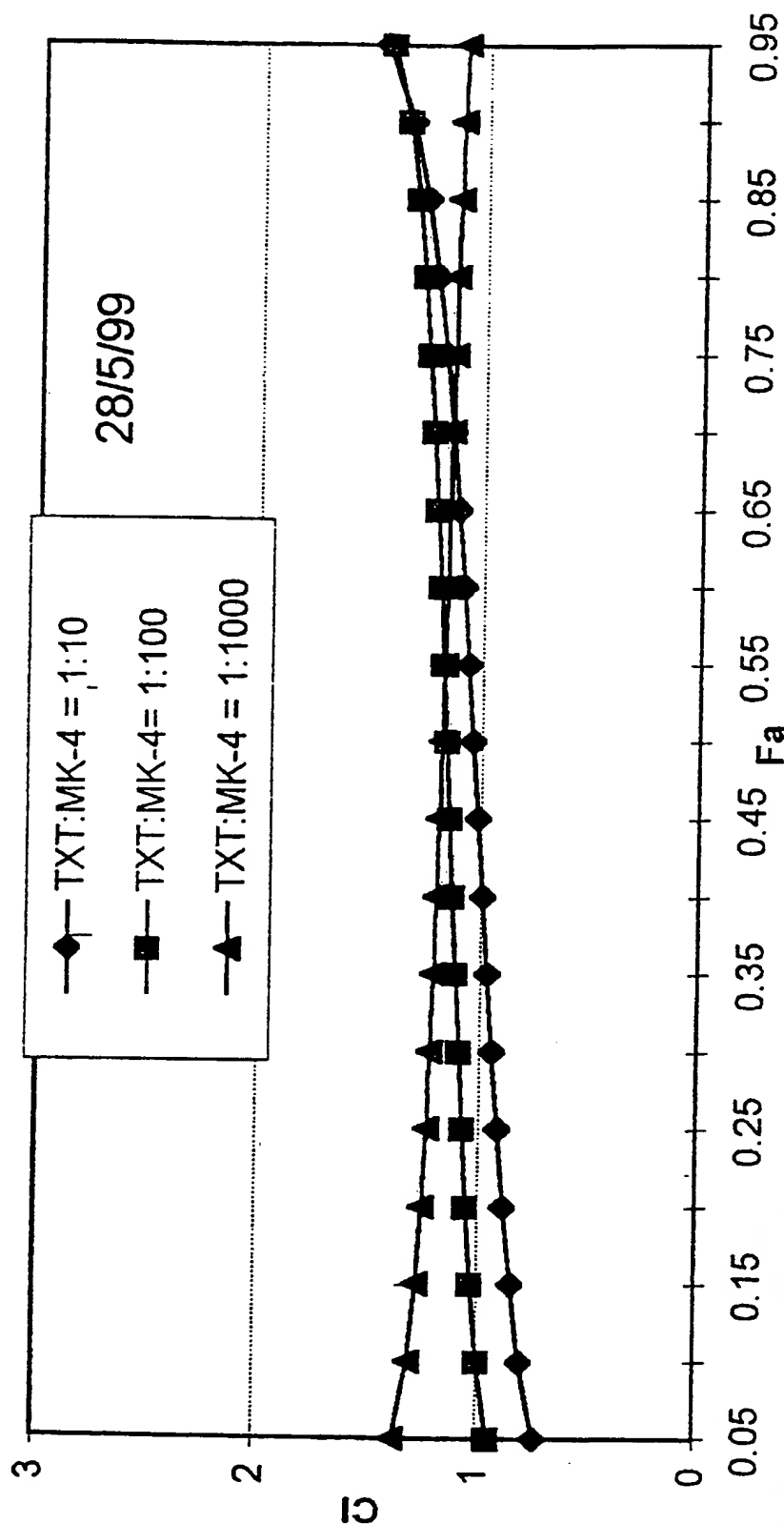


Mht99521.xls

Figure 9(b)

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Combination Index vs Fn Affected: HT29 cells,
simultaneous x72hr, TXT & MK-4 various ratios, MTT



Mht99528.xls

Figure 9(c)